

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Northeast				
HOWARD COUNTY --- 3.1 SSE VERNON SPGS [43.31, -92.12]				
	07/16/07 16:06 CST		0	Hail (1.00 in)
	07/16/07 16:06 CST		10K	Source: Public
HOWARD COUNTY --- 0.9 NE PROTIVIN [43.23, -92.09]				
	07/16/07 16:30 CST		0	Hail (0.75 in)
	07/16/07 16:30 CST		0	Source: Amateur Radio
CHICKASAW COUNTY --- 3.0 E SAUDE [43.20, -92.12]				
	07/16/07 16:34 CST		0	Hail (0.75 in)
	07/16/07 16:34 CST		0	Source: Public
FLOYD COUNTY --- 1.4 N POWERSVILLE [42.95, -92.70]				
	07/16/07 16:36 CST		0	Hail (1.00 in)
	07/16/07 16:36 CST		10K	Source: Public
FLOYD COUNTY --- 2.1 SW POWERSVILLE [42.91, -92.73]				
	07/16/07 16:45 CST		10K	Hail (1.75 in)
	07/16/07 16:45 CST		15K	Source: Law Enforcement
Reported near county line.				
FAYETTE COUNTY --- ALPHA [43.00, -92.05]				
	07/16/07 17:20 CST		0	Hail (1.00 in)
	07/16/07 17:25 CST		10K	Source: Public
Hail lasted several days.				
FAYETTE COUNTY --- 2.9 SE ALPHA [42.97, -92.01]				
	07/16/07 17:24 CST		0	Hail (0.88 in)
	07/16/07 17:24 CST		0	Source: Fire Department/Rescue
FAYETTE COUNTY --- 1.7 ESE ALPHA [42.99, -92.02]				
	07/16/07 17:27 CST		0	Hail (0.88 in)
	07/16/07 17:27 CST		0	Source: Public
Hail diameter varied from nickel to dime size.				
FAYETTE COUNTY --- 4.1 W HAWKEYE [42.94, -92.01]				
	07/16/07 17:31 CST		5K	Hail (1.25 in)
	07/16/07 17:31 CST		7.50K	Source: Public
Hail did not last long.				
HOWARD COUNTY --- 2.8 S BONAIR [43.38, -92.20]				
	07/16/07 18:13 CST		0	Hail (0.75 in)
	07/16/07 18:13 CST		0	Source: Amateur Radio
HOWARD COUNTY --- 2.9 WNW VERNON SPGS [43.37, -92.20]				
	07/16/07 18:14 CST		0	Hail (0.75 in)
	07/16/07 18:14 CST		0	Source: Amateur Radio
Hail covered the road.				
HOWARD COUNTY --- 2.0 SE VERNON SPGS [43.33, -92.12]				

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	07/16/07 18:17 CST		5K	Hail (1.00 in)
	07/16/07 18:17 CST		8K	Source: Amateur Radio
Storm spotter turned around because hail got too large.				
HOWARD COUNTY --- 3.4 NW PROTIVIN [43.26, -92.14]				
	07/16/07 18:38 CST		8K	Hail (1.50 in)
	07/16/07 18:38 CST		12.50K	Source: Public
HOWARD COUNTY --- 2.6 NW PROTIVIN [43.25, -92.13]				
	07/16/07 18:39 CST		10K	Hail (1.50 in)
	07/16/07 18:39 CST		15K	Source: Public
HOWARD COUNTY --- 1.7 NW PROTIVIN [43.24, -92.12]				
	07/16/07 18:42 CST		0	Hail (0.88 in)
	07/16/07 18:42 CST		5K	Source: Public
HOWARD COUNTY --- 0.7 N PROTIVIN [43.23, -92.10]				
	07/16/07 18:47 CST		0	Hail (0.75 in)
	07/16/07 18:47 CST		0	Source: Amateur Radio
CHICKASAW COUNTY --- 4.5 E SAUDE [43.20, -92.09]				
	07/16/07 18:50 CST		5K	Hail (1.00 in)
	07/16/07 18:50 CST		8K	Source: Trained Spotter
CHICKASAW COUNTY --- 3.0 E SAUDE [43.20, -92.12]				
	07/16/07 18:53 CST		0	Hail (0.75 in)
	07/16/07 18:53 CST		0	Source: Public
WINNESHIEK COUNTY --- 2.6 NW JACKSON JCT [43.15, -92.05]				
	07/16/07 18:58 CST		0	Hail (0.75 in)
	07/16/07 18:58 CST		0	Source: Public
FAYETTE COUNTY --- 1.2 SW RANDALIA [42.86, -91.89]				
	07/16/07 19:48 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/07 19:48 CST		0	Source: Law Enforcement
FAYETTE COUNTY --- RANDALIA [42.87, -91.87]				
	07/16/07 19:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/07 19:50 CST		0	Source: Public
Swing set blown down in yard.				
An upper level disturbance interacted with a nearly stationary front to trigger a cluster of severe thunderstorms across northeast Iowa during the evening of July 16. Law enforcement officials, storm spotters and amateur radio operators reported hail up to the size of golf balls.				
FAYETTE COUNTY --- 0.5 W OELWEIN [42.68, -91.91]				
	07/17/07 03:09 CST		5K	Thunderstorm Wind (MG 51 kt)
	07/17/07 03:09 CST		10K	Source: AWOS
FAYETTE COUNTY --- 0.5 W OELWEIN [42.68, -91.91]				
	07/17/07 03:10 CST		0.10M	Thunderstorm Wind (EG 59 kt)
	07/17/07 03:10 CST		30K	Source: Law Enforcement

Numerous trees and power lines were blown down in Oelwein. The hardest hit area was on the northern side of town. Corn was also flattened in fields just northwest of town.

During the early morning hours of July 17, a cluster of thunderstorms quickly intensified along the Bremer-Fayette County line and moved southeast towards Oelwein quickly. The storms quickly became severe and produced measured wind gusts of 59 mph at the

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Oelwein Airport, with 68 mph winds estimated in the city of Oelwein.				
CLAYTON COUNTY --- MC GREGOR [43.02, -91.18]				
	07/17/07 23:48 CST		1.30M	Flash Flood (due to Heavy Rain)
	07/18/07 04:00 CST		0.30M	Source: Law Enforcement
Mud slides caused trees to fall down off Mississippi River bluffs onto roads and cars were floating in the town of McGregor. Numerous locations across northeast Clayton County, Iowa had wash outs, high water, and damage.				
During the evening hours of July 17, thunderstorms began forming over parts of northeast Iowa. These storms continued into the early morning hours of July 18, producing significant flash flooding. Rainfall totaled 9.47 inches and 8.09 inches of rain respectively in McGregor and Marquette (Clayton County). Due to the excessive rainfall, numerous homes were flooded, while debris consisting of mud, rocks and trees flowed off hill sides. In addition, law enforcement officials reported cars and liquid propane tanks floating, as flood waters reached as much as seven feet deep.				
CLAYTON COUNTY --- 1.0 ESE GARBER [42.73, -91.25]				
	07/17/07 13:00 CST	0		Hail (0.88 in)
	07/17/07 13:03 CST	0		Source: Public
CLAYTON COUNTY --- 3.0 S ELKPORT [42.69, -91.28]				
	07/17/07 13:00 CST	0		Hail (1.00 in)
	07/17/07 13:03 CST	0		Source: Public
CLAYTON COUNTY --- 4.1 SE GARBER [42.69, -91.21]				
	07/17/07 13:00 CST	0		Hail (0.88 in)
	07/17/07 13:00 CST	0		Source: Public
CLAYTON COUNTY --- 2.1 SW GRAHAM [42.65, -91.15]				
	07/17/07 13:13 CST	0		Hail (0.75 in)
	07/17/07 13:13 CST	0		Source: Public
An upper level disturbance moved along a stationary front over northern Iowa during the afternoon of July 17th. This allowed an isolated severe thunderstorms to develop and produce penny and nickel size hail over parts of Clayton county in northeast Iowa.				

MINNESOTA, Southeast

OLMSTED COUNTY --- 2.0 NW DOUGLAS [44.14, -92.60]				
	07/03/07 17:45 CST	0		Thunderstorm Wind (EG 56 kt)
	07/03/07 17:45 CST	15K		Source: Trained Spotter
OLMSTED COUNTY --- 2.5 SW GENOA [44.09, -92.65]				
	07/03/07 17:47 CST	0		Thunderstorm Wind (EG 50 kt)
	07/03/07 17:47 CST	0		Source: Public
MOWER COUNTY --- 0.9 SE MAPLEVIEW [43.67, -92.97]				
	07/03/07 18:25 CST	2K		Thunderstorm Wind (EG 54 kt)
	07/03/07 18:25 CST	0		Source: Law Enforcement
MOWER COUNTY --- 0.9 SE MAPLEVIEW [43.67, -92.97]				
	07/03/07 18:28 CST	5K		Thunderstorm Wind (EG 55 kt)
	07/03/07 18:28 CST	0		Source: Law Enforcement
MOWER COUNTY --- 0.9 NE GRAND MEADOW [43.71, -92.57]				
	07/03/07 18:30 CST	0		Thunderstorm Wind (EG 51 kt)
	07/03/07 18:30 CST	0		Source: COOP Observer

A cold front triggered scattered severe thunderstorms in the late afternoon and early evening of July 3. Wind gusts of 60 to 65 mph blew down trees and power lines, as well as flattened corn near Douglas (Olmsted County).

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OLMSTED COUNTY --- BYRON [44.03, -92.65]				
	07/08/07 19:20 CST		0.50K	Thunderstorm Wind (EG 55 kt)
	07/08/07 19:20 CST		0	Source: Emergency Manager
OLMSTED COUNTY --- 1.0 NW ROCHESTER [44.04, -92.48]				
	07/08/07 19:35 CST		2.50K	Thunderstorm Wind (EG 53 kt)
	07/08/07 19:35 CST		0	Source: Broadcast Media
A cold front triggered scattered thunderstorms during the evening of July 8. An isolated severe thundertorm produced winds estimated as high as 65 mph in areas from Byron to the northwest side of Rochester. The public and broadcast media reported several trees were blown down, a car was damaged and a trampoline was picked up by the wind and tossed a quarter of a mile. Corn was flattened in some fields as well.				
FILLMORE COUNTY --- 2.8 N SPRING VLY [43.72, -92.39]				
	07/16/07 18:02 CST		0	Hail (0.75 in)
	07/16/07 18:02 CST		0	Source: Amateur Radio
FILLMORE COUNTY --- 1.5 NNE SPRING VLY [43.70, -92.39]				
	07/16/07 18:04 CST		0	Hail (0.75 in)
	07/16/07 18:04 CST		0	Source: Amateur Radio
FILLMORE COUNTY --- 1.5 NNE SPRING VLY [43.70, -92.39]				
	07/16/07 18:08 CST		0	Hail (0.75 in)
	07/16/07 18:08 CST		0	Source: Trained Spotter
Reported at intersection of County Road 1 and 38.				
FILLMORE COUNTY --- 0.9 NE SPRING VLY [43.69, -92.39]				
	07/16/07 18:11 CST		0	Hail (0.75 in)
	07/16/07 18:11 CST		0	Source: Amateur Radio
Hail was reported at the Spring Valley Emergency Operations Center (EOC).				
MOWER COUNTY --- 0.9 SE ADAMS [43.56, -92.72]				
	07/16/07 18:42 CST		4K	Hail (1.75 in)
	07/16/07 18:42 CST		10K	Source: Law Enforcement
Hail occurring at intersection of County Highway 7 and 4.				
An upper level disturbance interacted with a nearly stationary front, which triggered a cluster of severe thunderstorms near the Minnesota Iowa border. Before the storms moved into northeast Iowa, storm spotters, amateur radio operators and law enforcement officials reported hail ranging in size from pennies to golf balls.				
DODGE COUNTY --- 3.5 N WEST CONCORD [44.20, -92.90]				
	07/26/07 18:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/07 18:00 CST		0	Source: Fire Department/Rescue
A silo top was blown off from estimated wind gusts of 60 mph.				
OLMSTED COUNTY --- 0.7 S (RST) ROCHESTER MUNI [43.91, -92.50]				
	07/26/07 18:29 CST		0	Thunderstorm Wind (MG 54 kt)
	07/26/07 18:29 CST		0	Source: ASOS
Measured wind gust of 62 miles per hour at the Rochester International Airport.				
MOWER COUNTY --- 2.9 NNE RACINE [43.82, -92.48]				
	07/26/07 18:36 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/07 18:36 CST		0	Source: Public
FILLMORE COUNTY --- 4.6 NNE HAMILTON [43.83, -92.41]				

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	07/26/07 18:43 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/07 18:43 CST		0	Source: Public

Trees damaged five miles north northeast of Hamilton.

A cold front moved across southeast Minnesota during the evening hours of July 26th. This allowed a line of severe thunderstorms to track across parts of southeast Minnesota. The line of severe thunderstorms produced wind gusts of around 60 mph, blew off silo top and caused damage to trees.

WISCONSIN, Southwest

LA CROSSE COUNTY --- 8.0 S BANGOR [43.78, -91.00], 8.0 N BANGOR [44.02, -91.00]

07/03/07 16:30 CST	0	Funnel Cloud
07/03/07 16:30 CST	0	Source: Public

A short lived funnel cloud was observed by people in the Town of Burns.

VERNON COUNTY --- 1.2 NW VALLEY [43.66, -90.55]

07/03/07 17:00 CST	0.25K	Thunderstorm Wind (EG 52 kt)
07/03/07 17:00 CST	0	Source: Public

RICHLAND COUNTY --- 1.7 NE NEPTUNE [43.39, -90.25]

07/03/07 17:50 CST	1.50K	Thunderstorm Wind (EG 56 kt)
07/03/07 17:50 CST	3K	Source: Amateur Radio

RICHLAND COUNTY --- ITHACA [43.35, -90.28]

07/03/07 18:05 CST	6K	Thunderstorm Wind (EG 56 kt)
07/03/07 18:05 CST	3K	Source: Emergency Manager

CRAWFORD COUNTY --- 2.0 S FAIRVIEW [43.34, -90.95]

07/03/07 18:20 CST	0	Hail (1.75 in)
07/03/07 18:30 CST	0	Source: Public

CRAWFORD COUNTY --- SENECA [43.27, -90.97]

07/03/07 18:25 CST	1K	Thunderstorm Wind (EG 52 kt)
07/03/07 18:25 CST	0	Source: Law Enforcement

CRAWFORD COUNTY --- SENECA [43.27, -90.97]

07/03/07 18:25 CST	2.50K	Hail (1.75 in)
07/03/07 18:25 CST	10K	Source: Amateur Radio

Scattered severe thunderstorms developed ahead of a cold front during the late afternoon of July 3 and continued into the evening. Thunderstorms wind gusts of 60 to 65 mph downed trees and power lines, as well as blew down a barn along Highway 58 near Ithaca (Richland County).

GRANT COUNTY --- FENNIMORE [42.98, -90.65]

07/03/07 20:15 CST	0.50K	Heavy Rain
07/03/07 21:15 CST	0	Source: Law Enforcement

Thunderstorms with locally heavy rain developed in the late afternoon of July 3 ahead of a cold front, then continued into the evening. Rainfall amounts totaled 1 to 3 inches, with a few locations approaching 4 inches. Some communities experienced minor urban flooding, such as Fennimore (Grant County), where some streets were baracaded.

TAYLOR COUNTY --- GILMAN [45.17, -90.80]

07/08/07 15:40 CST	2K	Thunderstorm Wind (EG 52 kt)
07/08/07 15:40 CST	0	Source: Emergency Manager

Trees were knocked down, including one on a garage.

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TAYLOR COUNTY --- 1.2 SW WHITTLESEY [45.21, -90.35]				
	07/08/07 16:15 CST		1K	Thunderstorm Wind (EG 55 kt)
	07/08/07 16:15 CST		0	Source: Broadcast Media
TAYLOR COUNTY --- WESTBORO [45.35, -90.30]				
	07/08/07 16:31 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/07 16:31 CST		0	Source: Emergency Manager
Trees were blown down and two fields had flattened corn. Damage was also reported along County Road M towards the Lincoln County line.				
A cold front triggered scattered severe thunderstorms in the late afternoon and early evening of July 8. Numerous trees were blown from Gilman, WI all the way into eastern parts of Taylor County. Trees fell on power lines in some cases and corn was flattened in at least two fields.				
GRANT COUNTY --- 3.0 NW CASSVILLE [42.75, -91.04]				
	07/17/07 22:56 CST		0	Hail (0.88 in)
	07/17/07 22:56 CST		0	Source: Public
GRANT COUNTY --- BAGLEY [42.90, -91.12]				
	07/18/07 00:00 CST		2.20M	Flash Flood (due to Heavy Rain)
	07/18/07 05:00 CST		0.25M	Source: Law Enforcement
Flash flood waters backed up in town as debris blocked area bridges. The water was three to four feet deep in places and propane gas containers began floating on the Mississippi River. Property damage in town was extensive.				
CRAWFORD COUNTY --- PRAIRIE DU CHIEN [43.05, -91.15]				
	07/18/07 00:30 CST		80K	Flash Flood (due to Heavy Rain)
	07/18/07 04:30 CST		35K	Source: Law Enforcement
During the evening hours of July 17, thunderstorms began forming over parts of northeast Iowa. These storms repeatedly tracked across the same area near the confluence of the Wisconsin and Mississippi Rivers during the early morning hours of July 18. This caused excessive rainfall with amounts totaling 7.31 inches at Prairie du Chien (Crawford County). Hardest hit by the flash flooding was the town of Bagley (Grant County), where nearly 400 homes were flooded, as debris consisting of mud, rocks and trees built up along area bridges. This allowed flood waters to rise to as much as four feet deep. Mud slides were also observed on many nearby county roads in the hilly terrain closer to the Mississippi River.				
CLARK COUNTY --- 1.0 E HUMBIRD [44.53, -90.88]				
	07/26/07 17:36 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/07 17:36 CST		0	Source: Law Enforcement
A couple of trees blown down near the intersection of Bemis Road and Highway B.				
TAYLOR COUNTY --- 0.7 N JUMP RIVER [45.36, -90.80]				
	07/26/07 17:45 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/07 17:45 CST		0	Source: Law Enforcement
A tree blown down in the town of Jump River.				
TAYLOR COUNTY --- LUBLIN [45.08, -90.72]				
	07/26/07 17:50 CST		0	Thunderstorm Wind (EG 56 kt)
	07/26/07 17:50 CST		0	Source: Law Enforcement
Several trees blown down in the town of Lublin.				
CLARK COUNTY --- ABBOTSFORD [44.95, -90.32]				
	07/26/07 18:03 CST		0	Thunderstorm Wind (EG 61 kt)
	07/26/07 18:03 CST		0	Source: Law Enforcement
TAYLOR COUNTY --- 0.5 E STETSONVILLE [45.08, -90.31]				
	07/26/07 18:04 CST		0	Thunderstorm Wind (EG 56 kt)
	07/26/07 18:04 CST		0	Source: Law Enforcement

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Numerous trees blown down and some trees blocking roads in the town of Stetsonville.				
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TAYLOR COUNTY --- 0.7 N MEDFORD [45.14, -90.35]				
	07/26/07 18:04 CST		0	Thunderstorm Wind (EG 56 kt)
	07/26/07 18:04 CST		0	Source: Law Enforcement
Several trees blown down and one tree partially blocking Highway 13.				
A cold front moved across western and central Wisconsin during the evening hours of July 26th. This allowed a line of severe thunderstorms to track across parts of north central Wisconsin. The line of severe thunderstorms produced wind gusts of around 70 mph and knocked down several trees across Taylor and Clark counties.				
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BUFFALO COUNTY --- BUFFALO CITY [44.23, -91.85]				
	07/22/07 20:20 CST		3K	Flash Flood (due to Heavy Rain)
	07/22/07 22:20 CST		0.30K	Source: Law Enforcement
Flash flooding was reported, along with street flooding and water ponding in lowlands.				
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BUFFALO COUNTY --- MONDOVI [44.57, -91.68]				
	07/22/07 20:40 CST		10K	Flash Flood (due to Heavy Rain)
	07/22/07 22:25 CST		0.80K	Source: Law Enforcement
Flash flooding was reported, along with street flooding and water ponding in lowlands.				
During the evening hours of July 22 a band of thunderstorms dropped 5 to 6 inches of rain in parts of Buffalo County, Wisconsin producing flash flooding. Street flooding was fairly widespread not only in Mondovi, but also Buffalo City and Cochrane. An observer near Mondovi reported 5.20 inches of rain. Lowland flooding was also widespread in the county.				